

=> d his

(FILE 'HOME' ENTERED AT 15:22:37 ON 09 OCT 2003)

FILE 'REGISTRY' ENTERED AT 15:22:53 ON 09 OCT 2003

L1 SCREEN 964 AND 1015
L2 SCREEN 1821 OR 1822 OR 1823 OR 1824
L3 STRUCTURE UPLOADED
L4 QUE L3 AND L1 AND L2
L5 354 S L4 FULL

FILE 'CAPLUS' ENTERED AT 15:36:45 ON 09 OCT 2003

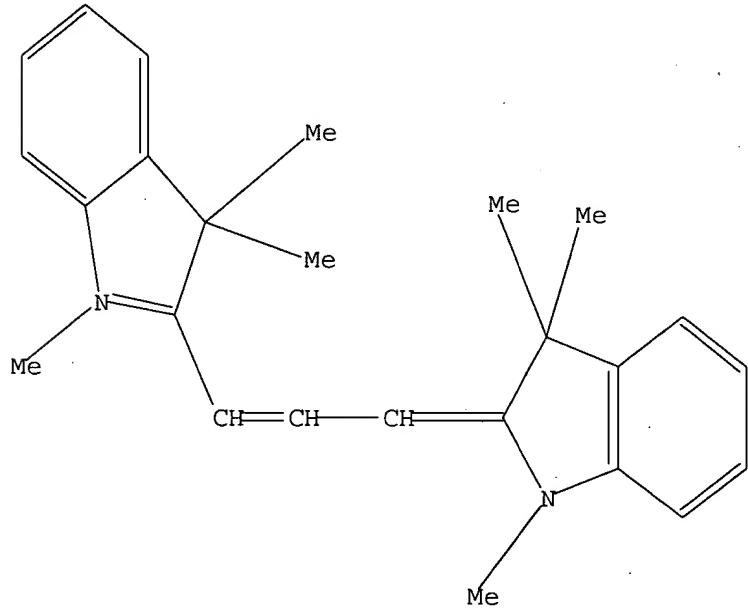
L6 13 S L5 AND (COPPER OR CU)

FILE 'REGISTRY' ENTERED AT 15:37:20 ON 09 OCT 2003

=> d 14

L4 HAS NO ANSWERS

L1 SCR 964 AND 1015
L2 SCR 1821 OR 1822 OR 1823 OR 1824
L3 STR



Structure attributes must be viewed using STN Express query preparation.

=>

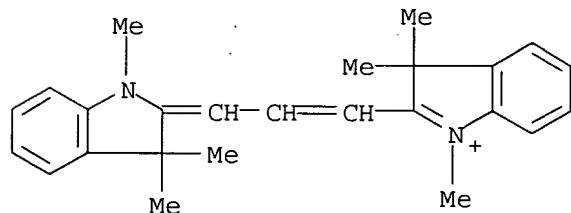
=> s 16021-25-3/rn
L1 1 16021-25-3/RN

=> d

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
RN 16021-25-3 REGISTRY
CN 3H-Indolium, 2-[3-(1,3-dihydro-1,3,3-trimethyl-2H-indol-2-ylidene)-1-propenyl]-1,3,3-trimethyl-, perchlorate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,3,3-Trimethyl-2-[3-(1,3,3-trimethyl-2-indolinylidene)propenyl]-3H-indolium perchlorate (6CI)
CN 3H-Indolium, 1,3,3-trimethyl-2-[3-(1,3,3-trimethyl-2-indolinylidene)propenyl]-, perchlorate (8CI)
MF C25 H29 N2 . Cl O4
LC STN Files: CA, CAOLD, CAPLUS, CHEMCATS, IFICDB, IFIPAT, IFIUDB, USPATFULL

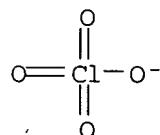
CM 1

CRN 20766-56-7
CMF C25 H29 N2



CM 2

CRN 14797-73-0
CMF Cl O4



33 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
33 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=>

=> d 16 all 13

L6 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1972:482824 CAPLUS
DN 77:82824
TI Effect of the structure of carbocyanine dyes on the leveling power during the electrodeposition of **copper**
AU Gerenrot, Yu. E.; Vaisburd, L. A.; Sych, E. D.
CS Ukr. Nauchno-Issled. Inst. Mestn. Prom., USSR
SO Zashchita Metallov (1972), 8(3), 338-42
CODEN: ZAMEA9; ISSN: 0044-1856
DT Journal
LA Russian
CC 77-6 (Electrochemistry)
AB The relation was studied between the structure of polymethine dyes (carbocyanines, styryls), and their leveling power during Cu electrodeposition from acid solns. The leveling additives used were: carbocyanine dyes with sym. and asym. structures contg quinoline, benzothiazole, indolenine, and 5-phenyloxazole rings with a different alky. (in total 17 compds.). Cu was electrodeposited on sectors of long-playing record matrixes from an electrolyte contg. CuSO₄ 200, H₂SO₄ 50 g/l., and 5 times. 10-6, 10-5, 5 times. 10-5, or 10-4M of a leveling additive at cds. 0.5, 1, and 2 A/dm² for 40, 20, and 10.5 min., resp., and the leveling power was detd. The greatest leveling power was obsd. with carbocyanines with the highest basicity. The relation of the leveling power to the concn. of the additives had, in most cases, an extremal character. A probable scheme for the interaction of Cu and the additive, and a mechanism of the leveling action of the additives are given.
ST polymethine dye **copper** leveling; carbocyanine dye **copper** leveling; alky carbocyanine **copper** leveling; **copper** electrodeposition
IT Dyes
 (carbocyanine, in **copper** electroplating, mol. structure effect on leveling power in)
IT Molecular structure-property relationship
 (on leveling power of carbocyanine dyes, in electroplating of **copper**)
IT 7440-50-8, uses and miscellaneous
 RL: PEP (Physical, engineering or chemical process); PROC (Process)
 (electroplating of, from baths contg. carbocyanine dyes, mol. structure
 effect on leveling power in)
IT 605-91-4 905-97-5 2052-53-1 2784-90-9 3065-79-0 3119-93-5
 16021-25-3 37814-54-3 37814-55-4 37814-57-6 37814-58-7
 37814-59-8 37814-60-1 37814-61-2 37814-63-4 38429-32-2
 38429-33-3
 RL: PRP (Properties)
 (in electroplating, mol. structure effect on leveling power in **copper**)

=>

WEST Search History

DATE: Thursday, October 09, 2003

Set Name Query
side by side

Hit Count Set Name
result set

*DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; THES=ASSIGNEE;
PLUR=YES; OP=AND*

L5	L1 and ((cyan\$10 or indol\$10 or inden\$10 or indazol\$10) near10 dye\$3)	77	L5
L4	L3 and dye\$3	70	L4
L3	L2 and brighten\$8	321	L3
L2	L1 and (cyan\$10 or indol\$10 or inden\$10 or indazol\$10)	2358	L2
L1	(electroplat\$10 or electrodeposit\$10 or electrochem\$10 or electroly\$10) near3 (copper or Cu)	21043	L1

END OF SEARCH HISTORY

INTERLIBRARY LOAN REQUEST FORM

Borrower's Name

WONG, EDNA

Org or A.U

1753

Phone

(703) 308-3848

Serial Number

D91888,642

Date of Request

10/9/03

Date Needed By

10/10/03

Please Attach Copy of Abstract, Citation, Or Bibliography If Available Please Provide Complete Citation. Only One Request Per Form

Author/Editor

Genenrat et al.

Journal/Book Title

Zashchita metallov

Article Title

Effect of the structure of Curbucyanine Dyes on the leveling...

Volume (Issue)

8(3)

Pages

338-42

Year of Publication

1972

PARKER LIBRARY
COMPLETED

Publisher:

Remarks: I'm located at CPS TAIS.

TRINITY!

STIC Use Only

Accession Number: 16756

LIBRARY ACTION	LC		NAL		NIH		NLM		NBS		PTO		OTHER	
	1st	2nd	1st	2nd										
Local Attempts											1			
Date												10/9		
Initials												PNL		
Results												NO		
Examiner Called														
Page Count														
Money Spent														

Provided By: Source and Date

Ordered From: Source and Date

Remarks/Comments

1st & 2nd denotes times taken to a library
 FX - Means Faxed to us
 O/N - Under NLM=Overnight Service

467596

=> d 16 all 13

L6 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1972:482824 CAPLUS
DN 77-82824
TI Effect of the structure of carbocyanine dyes on the leveling power during the electrodeposition of copper
AU Gerenrot, Yu. E.; Valsburd, L. A.; Sych, E. D.
CS Ukr. Nauchno-Issled. Inst. Mestn. Prom., USSR
SO Zashchita Metallov (1972), 8(3), 338-42
CODEN: ZAMEA9, ISSN: 0044-1856
DT Journal
LA Russian
CC 77-6 (Electrochemistry)
AB The relation was studied between the structure of polymethine dyes (carbocyanines, styryls), and their leveling power during Cu electrodeposition from acid solns. The leveling additives used were carbocyanine dyes with sym and asym. structures contg quinoline, benzothiazole, indolenine, and 5-phenyloxazole rings with a different alky. (in total 17 compds.). Cu was electrodeposited on sectors of long-playing record matrixes from an electrolyte contg. CuSO₄ 200, H₂SO₄ 50 g/l., and 5 times. 10-6, 10-5, 5 times. 10-5, or 10-4M of a leveling additive at cds. 0.5, 1, and 2 A/dm² for 40, 20, and 10.5 min., resp., and the leveling power was detd. The greatest leveling power was obstd. with carbocyanines with the highest basicity. The relation of the leveling power to the concn. of the additives had, in most cases, an extremal character. A probable scheme for the interaction of Cu and the additive, and a mechanism of the leveling action of the additives are given.
ST polymethine dye copper leveling; carbocyanine dye copper leveling; alky carbocyanine copper leveling; copper electrodeposition
IT Dyes
(carbocyanine, in copper electroplating, mol. structure effect on leveling power in)
IT Molecular structure-property relationship
(on leveling power of carbocyanine dyes, in electroplating of copper)
IT 7440-50-8, uses and miscellaneous
RL: PEP (Physical, engineering or chemical process); PROC (Process)
(electroplating of, from baths contg carbocyanine dyes, mol. structure
effect on leveling power in)
IT 605-91-4 905-97-5 2052-53-1 2784-90-9 3065-79-0 3119-93-5
16021-25-3 37814-54-3 37814-55-4 37814-57-6 37814-58-7
37814-59-8 37814-60-1 37814-61-2 37814-63-4 38429-32-2
38429-33-3
RL PRP (Properties)
(in electroplating, mol. structure effect on leveling power in copper)

=>